

ABSTRACT

The invention concerns a mobile concrete pump comprising a building frame (22) arranged on the structure (12) of a truck chassis (10) and serves to maintain a supporting device (38), a core pump (24) and functional units which form a distribution mast (36). The building frame (22) comprises two longitudinal side members (50) mutually spaced apart by a free space (52) and resting on said chassis structure (12). Said mobile concrete pump further comprises a driving assembly (42) for actuating the functional units, which are arranged with the core pump (24) in the free space zone (52) located between the two longitudinal side members (50). The invention aims at providing a mobile concrete pump whereof the building frame (22) can be easily mounted and dismounted. Therefore, said building frame (22) comprises a floating bearing (54) which links said side members across the free space, as well as a fixed bearing (56) arranged at the rear end of the building frame and serving to support releasably the core pump which is pre-assembled in modular manner. The building frame further comprises mounting means (62) designed to support releasably supporting carrier frames (48) of different sizes which link said side members across the free space (52) and which may be equipped in modular manner with various driving subassemblies (42).